Lytix Biopharma AS

Promising efficacy signal in two ongoing Phase II trials

Fourth quarter 2023 presentation

February 29, 2024





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Presenting team



Øystein Rekdal - CEO and co-founder

- Dr. Rekdal's post-doctoral research forms the basis of Lytix Biopharma's technology platform.
- Over the last years Rekdal has been instrumental in the development of intra-tumoral therapy of LTX-315 from preclinical to clinical 'proof of concept'-studies.
- He previously served Lytix in various roles including CSO, and Head of R&D.



Graeme Currie - CDO

- Over 30 years of drug development experience in both pharmaceutical and biotechnology companies
- Has successfully led drug development programs and has held key roles in the development of 8 approved drugs.
- Dr. Currie holds a PhD from Aston University in the UK.



Gjest Breistein – CFO

- Mr. Breistein has eight years of experience from PwC as an auditor and consultant working with public and private companies across multiple industry sectors.
- Prior to joining Lytix Biopharma, he was in PwC's capital markets group advising clients in capital market transactions, financing and listing processes.



Robert Andtbacka – Key opinion leader

- A highly reputed key opinion leader with more than over 25 years of experience in clinical research and development in melanoma and intra-tumoral immuno-oncology
- Has led over 50 clinical studies evaluating 20 novel immuneoncology therapies including the Phase III clinical trial which led to the approval of the oncolytic virus TVEC



Lytix is addressing a major challenge in cancer therapy

Each tumor has several different unique mutations making it difficult to treat

Lytix's technology overcomes this major challenge by generating broad tumor-specific immune responses in each patient





Lytix Biopharma at glance

Dedicated to being part of tomorrow's cancer treatment

Company overview

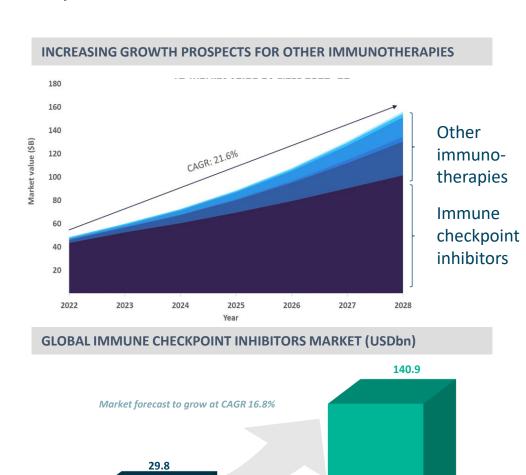
- Clinical-stage, immuno-oncology company
- Listed and headquartered in Oslo
- Technology platform derived from world leading research on host defense peptides
- Encouraging interim data in two ongoing Phase II studies
- International management team with presence in both US and Europe
- US Life Science specialist as largest shareholder PBM Capital
- Licensing deal with Nasdaq-listed Verrica Pharmaceuticals

Product candidates and portfolio								
PRODUCT		DESCRIPTION INDICATION		PROGRESS	RESULTS EXPECTED			
		Atlas-IT-05 Pembrolizumab (Keytruda®)	Melanoma (mole) patients progressed on checkpoint inhibitors	Phase II	2025			
LTX- 315		Phase II by Verrica Pharmaceuticals (monotherapy)	Basal cell Carcinoma (skin cancer)	Phase II	Mid 2024			
	+	NeoLIPA Neoadjuvant therapy	Early.stage melanoma	Phase II	H1 2025 (interim)			
LTX- 401		Phase I Monotherapy	Deep seated cancer	Preclinical	2025			



High revenue potential for Lytix molecules

- monotherapy and in combination therapies
- multiple cancer indications
 - The global market value for cancer immunotherapies has increased sharply over the past 10 years
- This growth is driven by immune checkpoint inhibitors (ICIs)
- Therapies that address the shortcomings of ICIs are highly needed
- By addressing the challenge for patients who do not respond to ICIs Lytix molecules represent a large commercial potential
- Other therapy methods than ICIs expected to grow at a significant pace going forward. Estimated to amount to a total of ~USD160bn within 2028 (both ICI and other immunotherapies).



2030

2020



Highlights for the fourth quarter

- and post-period events
- Verrica Pharmaceuticals' Phase II study in basal cell carcinoma Positive early results
 - Verrica presented positive early results in August 2023.
 - In January 2024, Verrica reported that all patients have been dosed with LTX-315.
 - This is a significant milestone in Verrica's commitment to complete the entire study in H1 2024.
- ATLAS-IT-05 study ongoing Encouraging interim data from 20 melanoma patients
 - Disease control in approximately half the patients and with durable responses for up to one year
 - One patient achieving a partial response.
 - Evidence of tumor shrinkage in both injected and non-injected lesions.
 - LTX-315 in combination with pembrolizumab was well tolerated.
- Expanding to earlier stage melanoma patients with a stronger immune system
 - An investigator led Phase II study at Oslo University Hospital, Radiumhospitalet planned to start H1 2024.
 - The study protocol was presented at the 15th Nordic Melanoma Meeting in October 2023.
 - In December 2023, the clinical trial application for the NeoLIPA trial was submitted to the regulatory authorities for approval.



Highlights for the fourth quarter

- and post-period events
- Clinical results published in high profiled journal
 - A paper entitled "LTX-315 and adoptive cell therapy using tumor-infiltrating lymphocytes generate tumor specific T cells in patients with metastatic soft tissue sarcoma" published in the high-profiled, open access journal *OncoImmunology*, December 2023.
- A paper describing LTX-315's ability to activate specific immune cells accepted for publication.
 - The paper describing LTX-315's unique way of activating immune cells that are critical for T cell priming has been accepted for publication in the high profiled journal *Frontiers in Immunology*.
- Strengthening Intellectual Property
 - Two Patent Corporation Treaty (PCT) applications were filed December 2023 to secure additional IP protection.
- Financial support granted from Norwegian Research Council
 - In October, the Research Council of Norway approved Lytix's application for up to NOK 14.3m of non-dilutive financial support from the 'SkatteFUNN' R&D tax incentive scheme for a project in respect of its lead program: 'Intratumoral LTX-315 in advanced melanoma'.

Clinical/Operational update

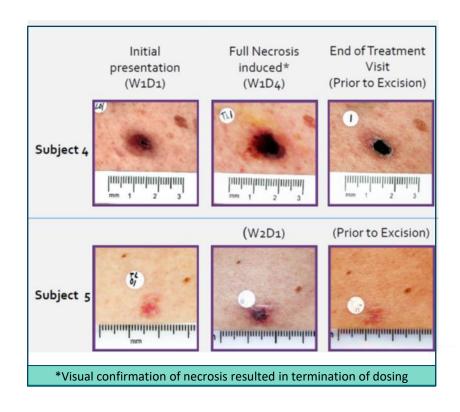




Encouraging early results from Phase II study in basal cell carcinoma

- Part 1
 - Of the 6 patients treated with LTX-315 (VP-315) at the highest dose, complete histological clearance was observed in 4 injected lesions, 95% and 30% clearance in two other injected lesions
- Enrollment completed January 2024
- Phase II study results expected mid 2024

LTX-315 represents a non-surgical alternative for patients suffering from BCC



BCC market expected to increase from 6.7 billion USD in 2021 to 11.4 billion USD by 2028 Lytix entitled to receive regulatory and sales milestones at >100 mill. USD, and royalty rates from low double-digits to mid-teens



ATLAS-IT-05: Enrollment of 20 patients completed

- Recruitment of 20 patients completed August 2023
- Late-stage melanoma patients that have previously failed to respond to PD-(L)1 inhibitor therapy
- Enrolled patients had failed ≤3 prior lines of treatment, including dual checkpoint inhibition or BRAF/MEK inhibition or oncolytic virus
- Encouraging preliminary interim data from 14 patients presented at ESMO, Oct 23rd:
- Majority of patients (62%) had Stage IV disease with a poor prognosis





Promising results in a challenging patient population

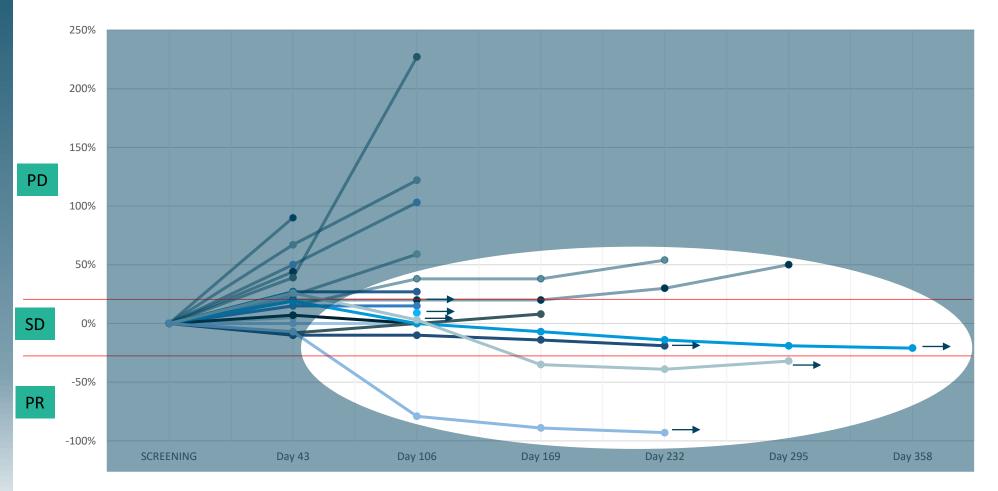
- Disease stabilization in approximately half of the patients
- Interim data from all patients have been collected and analyzed
 - Durable responses with stable disease up to one year
 - One partial response so far
 - Patients with progressive cancer have larger tumor burden than patients with stable disease
- Some patients still early in the study

Best overall response	n (%)
Partial Response	1 (5%)
Stable Disease	8 (40%)
Progressive Disease	11 (55%)



Several patients with prolonged clinically relevant response

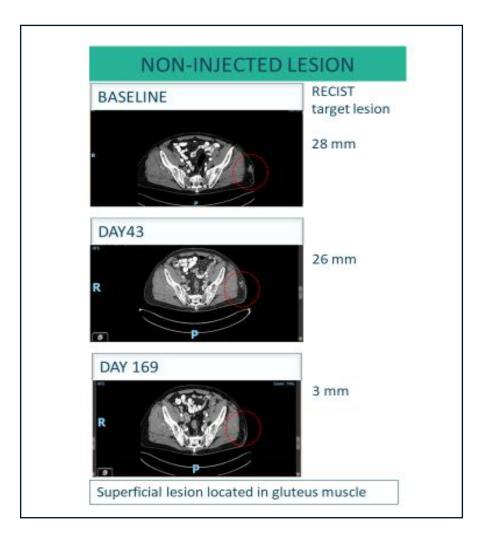
- Some patients still in early stage of the study





Evidence of effects in non-injected lesions

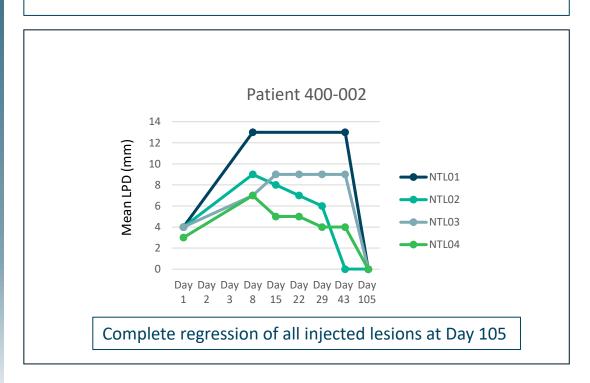
- A number of patients showed shrinkage of non-injected lesions
 - Shrinkage ranging from 93% to 9%
- Case study
 - 75-year-old male with Stage IVm1a melanoma (BRAF positive)
 - Multiple metastases in lymph nodes and gluteal muscle
 - Prior treatment: nivolumab (anti-PD-1) and BRAF/MEK inhibitor
 - Complete regression of all 4 injected lesions
 - Durable partial response with noninjected lesion shrinkage of -93%





Responses in injected lesions

- Complete regression obtained in a number of injected lesions
- Injected lesions with complete regression ranging between 3-15 mm (mean diameter)



Complete regression of lesions on a forearm Before Treatment Day 43





Summary of interim results (ATLAS-IT-05)

- The combination of LTX-315 and anti-PD-1 therapy (pembrolizumab) show effects in patients that have previously failed to respond to anti-PD-(L)-1 therapy
- Enrolled patients had generally poor prognostic factors and some patients had also failed on dual checkpoint inhibition (ipi + nivo), BRAF/MEK inhibition or oncolytic virus
- Efficacy signal is encouraging with a stabilization of disease in approximately half of the patients and 1 patient achieving a partial response to date
- Evidence of tumor shrinkage in both injected and in non-injected lesions
- The trial is still ongoing and further details will be shared in a future presentation

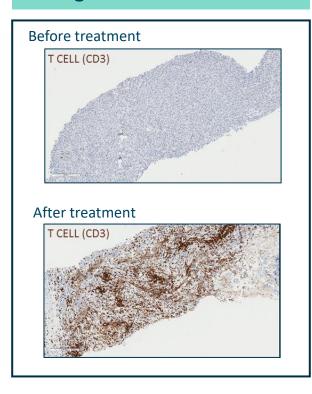


LTX-315's strong ability to generate broad tumor specific T-cell responses makes it ideal for earlier-stage cancer

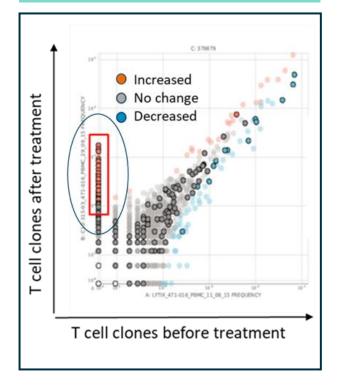
Proof of principle from previous studies

- Infiltration of T cells in majority of treated patients
- 2. Expansion of up to more than 100 different T- cell clones
- Expansion of tumor cell- and neoantigenspecific T-cell clones

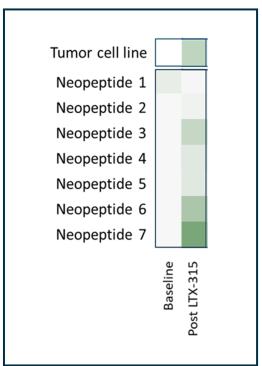
1. High number of T cells



2. Broad repertoire of T cells



3. Patient specific T cells



LTX-315 is likely to have even greater effectiveness in early-stage cancer patients with lower tumor burden and a more responsive and intact immune system.

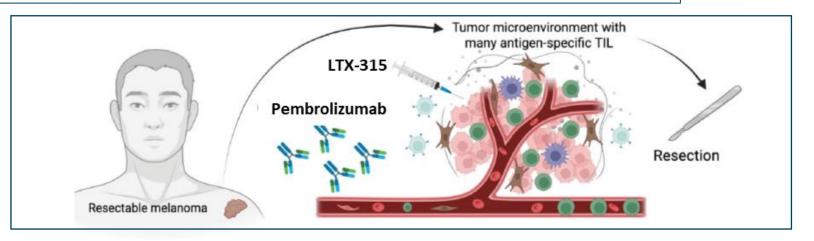


Planned neoadjuvant study with LTX-315 in earlier stage melanoma patients (NeoLipa)

- LTX-315 added to the currently recommended neoadjuvant treatment (immune checkpoint inhibitor, pembrolizumab) before surgery for resectable stage III/IV melanoma
- Oslo University Hospital Norwegian Radium Hospital
- Principal investigator, dr. Henrik Jespersen, Head of melanoma oncology, Oslo University Hospital
 - Radiumhospitalet
- Study start: 1H 2024
- Rationale:
 - Investigate any added clinical effect of LTX-315 in earlier stage patients with a stronger immune system
 - Expected to result in more effective T-cell priming and reduce risk of relapse compared with pembrolizumab monotherapy

Neoadjuvant therapy: Treatment before surgery

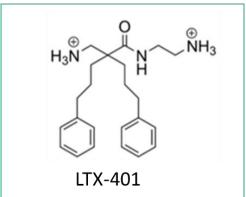
Lytix molecules may have a potential in neoadjuvant setting in several cancer indications

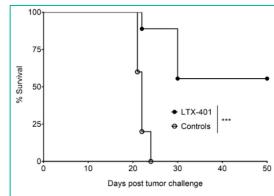




LTX-401: optimized for deep-seated solid tumors

- Robust effects in several pre-clinical cancer models, including liver cancer
- Safe and well tolerated in preclinical safety studies
- Synergy with checkpoint inhibitors
- High potency (can be administered in high doses and over longer time)
- Ideal also for deep seated tumors in indications with a large commercial potential
- Being prepared for Phase 1





- Small oncolytic molecule developed for intratumoral administration
- Cured 50% of the animals with liver cancer (hepatocellular carcinoma) with two doses only

A perspective view on ATLAS-IT-05 interim data and Lytix's focus on earlier stage cancer

By Robert Andtbacka



Introduction to Dr. Robert Andtbacka



- Internationally renowned surgical oncologist with more than over 25 years of experience in immuno-oncology clinical research and development and a highly reputed leader in melanoma and intratumoral immuno-oncology
- Has led over 50 clinical studies evaluating the activity of 20 novel immune-oncology therapies during Phase 1 to Phase 3 trials, including the Phase III clinical trial which led to the approval of the oncolytic virus TVEC in patients with unresectable metastatic melanoma
- Joined Huntsman Cancer Institute at the University of Utah in 2006 where he served as Director of the Melanoma Clinical Research Program and established an internationally recognized comprehensive program in intratumoral immuno-oncology
- Has served as Chief Medical Officer for Seven and Eight Biopharmaceuticals, where he led the clinical development of immunostimulatory molecules, later acquired by Eikon Therapeutics
- Is currently serving as Chief Medical Officer at HiFiBIO Therapeutics, a biotechnology company focusing on immunomodulatory antibodies.

Key figures



Key figures – profit and loss

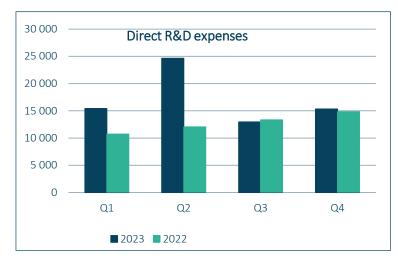
	Unaudited	Unaudited	Unaudited	Unaudited	Unaudited	
_Amounts in NOK thousands	Q4 2023	Q4 2022	H2 2023	H2 2022	FY 2023	FY 2022
Total operating income	5,125	1,615	9,417	4,587	10,241	17,273
Total operating expenses	(24,729)	(25,453)	(47,665)	(46,368)	(107,118)	(82,968)
Loss from operations	(19,604)	(23,837)	(38,247)	(41,781)	(96,877)	(65,695)
Loss for the period	(18,580)	(29,195)	(36,828)	(40,343)	(87,937)	(56,006)

- Total operating income for the three months ended 31 December 2023 was NOK 5,125 million and is related to governmental grants, compared to NOK 1.6 million for the same period in 2022. In Q4 Lytix's application for SkatteFunn was approved resulting in a grant of NOK 4.8 million recognized as income in this period.
- Total operating expenses for the three months ended 31 December 2023 amounted to NOK 24.7 million compared to NOK 25.5 million for the same period in 2022
 - The major cost driver for the quarter is the ATLAS-IT-05 trial in the US and EU. The study is fully recruited, and patients are continuing on the trial.

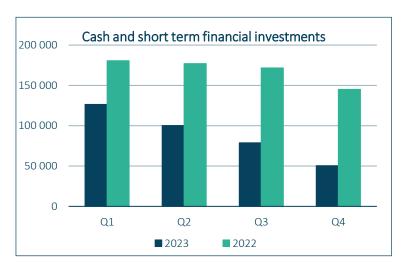


Strict cost discipline while prioritizing clinical activities











Key figures – balance sheet

	Unaudited	
Amounts in NOK thousands	31.12.2023	31.12.2022
Assets		
Property, plant and equipment	110	124
Trade and other receivables	12,777	6,735
Short-term financial investments	23,183	50,606
Cash and cash equivalents	27,365	94,552
Total assets	63,436	152,017
Shareholder's equity and liabilities		
Total equity	51,372	135,126
Total liabilities	12,064	16,891
Total equity and liabilities	63,436	152,017

- At the end of the period, cash plus short-term financial investments were NOK 50.5 million, compared to NOK 145.2 million as of 31 December 2022
- As a consequence of Lytix's cost-saving initiative, the cash runway has been prolonged through H1 2024

Outlook



Key objectives

Clinical development

- ATLAS-IT-05 study
 - Looking forward to report additional data from the patients still in the study
- Verrica Pharmaceutical's Phase II trial in BCC
 - Final results mid 2024
- Neoadjuvant phase II study in earlier stage melanoma
 - Interim data H1 2025
 - Represents a greater commercial potential compared to a recurrent/metastatic setting.
- Prepare LTX-401 for Clinical Phase
 - Global asset with a large commercial potential in several cancer diseases

Business

- Continue to capture value in the immuno-oncology space
 - Partnering
 - o Explore additional commercial avenues trough industry research collaborations
 - Strategy is to out-license drug candidates with solid Phase II data

Finance

 The Company continues to explore strategic partnering opportunities as well as other ways to finance its development plans

Q&A

IR enquiries: gjest.breistein@lytixbiopharma.com



Interim Financial Statements



Condensed Interim statement of profit and loss

A CONTRACTOR OF THE CONTRACTOR	Unaudited Q4 2023	Unaudited Q4 2022	Unaudited H2 2023	Unaudited H2 2022	Unaudited FY 2023	FY 2022
Amounts in NOK thousands	Q4 2023	Q4 2022	112 2023	112 2022	112023	112022
Revenue	-	-	3,917	1,409	3,991	1,409
Other operating income	5,125	1,615	5,500	3,178	6,250	15,864
Total operating income	5,125	1,615	9,417	4,587	10,241	17,273
Payroll and related expenses	(6,006)	(6,163)	(12,573)	(11,253)	(25,411)	(21,133)
Depreciation and amortization expenses	(17)	(13)	(34)	(24)	(62)	(30)
Direct R&D expenses	(15,329)	(14,847)	(28,281)	(28,194)	(68,323)	(50,974)
Other expenses	(3,377)	(4,430)	(6,776)	(6,897)	(13,323)	(10,832)
Total operating expenses	(24,729)	(25,453)	(47,665)	(46,368)	(107,118)	(82,968)
Loss from operations	(19,604)	(23,837)	(38,247)	(41,781)	(96,877)	(65,695)
Net financial items	1,024	(5,357)	1,419	1,439	8,940	9,689
Loss before tax	(18,580)	(29,195)	(36,828)	(40,343)	(87,937)	(56,006)
Tax expense	-	-	-	-	-	-
Loss for the period	(18,580)	(29,195)	(36,828)	(40,343)	(87,937)	(56,006)



Condensed Interim statement of financial position

Amounts in NOK thousands	Unaudited 30.06.2023	<i>Unaudited</i> 30.09.2023	<i>Unaudited</i> 31.12.2023	31.12.2022
	30.00.2023	30.03.2023	31.12.2023	31.12.2022
Assets				
Non-current assets				
Property, plant and equipment	144	127	110	124
Total non-current assets	144	127	110	124
Current assets				
Trade and other receivables	5,959	1,252	12,777	6,735
Short-term financial investments	41,961	32,609	23,183	50,606
Cash and cash equivalents	58,257	46,158	27,365	94,552
Total current assets	106,177	80,019	63,326	151,893
Total assets	106,321	80,147	63,436	152,017
Shareholder's equity and liabilities				
Issued capital and reserves				
Share capital	4,007	4,007	4,007	4,007
Share premium reserve	82,115	64,945	47,365	131,119
Total equity	86,122	68,952	51,372	135,126
Liabilities				
Current liabilities				
Trade payables	5,889	22	3,572	6,997
Other current liabilities	14,310	11,173	8,492	9,894
Total current liabilities	20,199	11,195	12,064	16,891
Total liabilities	20,199	11,195	12,064	16,891
Total equity and liabilities	106,321	80,147	63,436	152,017



Condensed Interim statement of cash flows

Unaudited Q4 2023	Unaudited Q4 2022	Unaudited H2 2023	Unaudited H2 2022	Unaudited FY 2023	FY 2022
(18,580)	(29,195)	(36,828)	(40,343)	(87,937)	56,006)
17	13	34	24	62	30
1,001	438	2,079	751	4,183	1,376
(433)	-	(1,006)	-	(2,348)	-
(11,525)	(1,079)	(6,818)	908	(6,042)	(1,055)
869	3,400	(8,135)	6,750	(4,828)	3,553
(28,652)	(26,422)	(50,676)	(31,909)	(96,909)	(52,102)
_	-	_	_	_	_
(28,652)	(26,422)	(50,676)	(31,909)	(96,909)	52,102)
_	_	_	(17)	(49)	(154)
138	_	1 007	(17)	• •	(154)
	(697)		(50,606)		(50,606)
9,860	(697)	19,785	(50,623)	29,725	(50,761)
(1)	_	(1)	_	(3)	_
-	_	-	-	-	133
(1)	-	(1)	-	(3)	133
(18.793)	(27.120)	(30.892)	(82.532)	(67.187)	(102,730)
	,			• • •	197,282
27,365	94,552	27,365	94,552	27,365	94,552
	Q4 2023 (18,580) 17 1,001 (433) (11,525) 869 (28,652) - (28,652) - 438 9,425 9,860 (1) - (1) (18,793) 46,158	Q4 2023 Q4 2022 (18,580) (29,195) 17 13 1,001 438 (433) - (11,525) (1,079) 869 3,400 (28,652) (26,422) - - 438 - 9,425 (697) 9,860 (697) (1) - - - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (27,120) - 46,158 121,671	Q4 2023 Q4 2022 H2 2023 (18,580) (29,195) (36,828) 17 13 34 1,001 438 2,079 (433) - (1,006) (11,525) (1,079) (6,818) 869 3,400 (8,135) (28,652) (26,422) (50,676) - - (28,652) (26,422) (50,676) - - (438 - 1,007 - 9,425 (697) 18,778 9,860 (697) 19,785 (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1) - (1)	Q4 2023 Q4 2022 H2 2023 H2 2022 (18,580) (29,195) (36,828) (40,343) 17 13 34 24 1,001 438 2,079 751 (433) - (1,006) - (11,525) (1,079) (6,818) 908 869 3,400 (8,135) 6,750 (28,652) (26,422) (50,676) (31,909) - - - - (28,652) (26,422) (50,676) (31,909) - - - (17) 438 - 1,007 - 9,425 (697) 18,778 (50,606) 9,860 (697) 19,785 (50,623) (1) - - - - (1) - - - - (1) - - - - (1) - - - - (1) - - - - (1) - -	Q4 2023 Q4 2022 H2 2023 H2 2022 FY 2023 (18,580) (29,195) (36,828) (40,343) (87,937) 17 13 34 24 62 1,001 438 2,079 751 4,183 (433) - (1,006) - (2,348) (11,525) (1,079) (6,818) 908 (6,042) 869 3,400 (8,135) 6,750 (4,828) (28,652) (26,422) (50,676) (31,909) (96,909) - - - - - - (28,652) (26,422) (50,676) (31,909) (96,909) - - - - (17) (49) 438 - 1,007 - 2,351 9,425 (697) 18,778 (50,606) 27,423 9,860 (697) 19,785 (50,623) 29,725 (1) - - - - -